

**Notice of Allowability**

Application No.

10/044,927

Examiner

Anh Ly

Applicant(s)

GOLDBERG ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/08/2006.
2. ☒ The allowed claim(s) is/are 1-2, 6-7, 9-12, 16-17 & 20-21 (renumbered as 1-12).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
J. CORRIE  
PATENT EXAMINER

### **DETAILED ACTION**

1. This Office Action is response to Applicants' AMENDMENT filed on 11/08/2005.
2. Claims 22-23 have been cancelled.
3. Claims 1-2, 6-7, 9-12, 16-17 and 20-21 are allowed.

### **Allowable Subject Matter**

4. The present application has been thoroughly reviewed. Upon searching a variety of databases, the examiner respectfully submits that claims 1-2, 6-7, 9-12, 16-17 and 20-21 are allowed in light of the applicants' argument and in light of the prior arts of made record.

5. The following is an examiner's statement of reasons for allowance:

The claimed invention is directed to a method and a network system for generating projected graph data structure including generating a request for the projected graph data structure using a variable usage specification, retrieving a server graph data structure using the request. Generating a service-side projected graph data structure representation using the generated request, the server object graph and a schema associated with server object graph and instantiating the project object graph using the service-side projected graph data structure representation, wherein the service-side projected graph data structure representation is represented using a hash table.

The closest prior arts, Falls et al. (hereinafter Falls) of US Patent No.: 5,991,771 teaches client/server computer network for capturing information defining a schema for

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user by an agent or client of the network. The class schema is including a set of attribute definitions and a set of object classes or classes. Each class has at least one or more attributes. A collection of related objects or "object graph" is stored in a database where the object or part of object to be retrieved as a projection action and synchronization or replication over the client-server network and a set of containment classes that identify the classes permitted to contain instances of this class. Prompt et al. (hereinafter Prompt) of Pub. No.: US 2001/0034733 A1 teaches the client of the network being enable to add an object to the data structure where objects are stored by instantiating that object and Barnes et al. (hereinafter Barnes) of Pub. No.: US 2002/0116412 A1 teaches the objects are stored in the hash table.

Thus, in combination, Falls, Prompt and Barnes fail to teach "a variable usage specification, ... generating a service-side project graph data structure representation using the generated requested, the server object graph, and a schema associated with server object graph, wherein the service-side projected graph data structure representation is represented using a hash table."


6. These distinct features, in conjunction with all other limitations of the dependents and independent claims render claims 1-2, 6-7, 9-12, 16-17 and 20-21 them allowable.


7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Contact Information**

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Ly whose telephone number is (571) 272-4039 or via E-Mail: ANH.LY@USPTO.GOV or fax to **(571) 273-4039 (Examiner's fax number)**. The examiner can normally be reached on TUESDAY – THURSDAY from 8:30 AM – 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene, can be reached on (571) 272-4107 or **Primary Examiner Jean Corrielus (571) 272-4032**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Any response to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or faxed to: **Central Fax Center: (571) 273-8300**

ANH LY   
JAN. 18<sup>th</sup>, 2006

  
JEAN W. CORRIELUS  
PRIMARY EXAMINER